

## ABSTRACT

This invention discloses an arc discharge protection device for preventing an arc discharge effect produced by an abnormal phenomenon in the high-voltage output area. After  
5 a voltage conversion unit of this arc discharge protection device receives the high-voltage arc discharge signal in the high-voltage output area, the signal is converted into a low-voltage arc discharge signal. A filter unit is provided to determine the potential and filter the abnormal frequency  
10 signal, and then the rectify unit will receive the abnormal frequency signal and output an arc wave clutter after the rectification. A touch control unit will detect the arc wave clutter and output a trigger signal to stop the operation of the control unit or the driving unit, and thus achieving the purpose  
15 of preventing sparks or burning caused by the heat accumulated in the peripheral components during the arc discharge effect.